

BROWNS SHUT OUT.

Richmond's Bluebirds Made Short Work of the Portsmouth Lads.

THE SCORE SEVEN TO NOTHING.

Well's Boys Have Begun to Hit the Ball, and They Pounded Leach Most Liberally—Zimmerman in the Game—Lynchburg Lost Again.

Richmond, 7; Portsmouth, 0.
Norfolk, 14; Lynchburg, 8.
Roanoke, 14; Petersburg, 11.
Richmond at Portsmouth;
Norfolk at Lynchburg;
Roanoke at Petersburg;
Petersburg at Richmond;
Roanoke at Lynchburg;
Norfolk at Portsmouth.

| | Richmond | Petersburg | Norfolk | Lynchburg | Roanoke | Wm. |
|-----------|----------|------------|---------|-----------|---------|-----|
| Abner | 1 | 1 | 1 | 1 | 1 | 1 |
| Brown | 1 | 1 | 1 | 1 | 1 | 1 |
| Conner | 1 | 1 | 1 | 1 | 1 | 1 |
| DeLoach | 1 | 1 | 1 | 1 | 1 | 1 |
| Ellis | 1 | 1 | 1 | 1 | 1 | 1 |
| Farmer | 1 | 1 | 1 | 1 | 1 | 1 |
| Gibson | 1 | 1 | 1 | 1 | 1 | 1 |
| Hughes | 1 | 1 | 1 | 1 | 1 | 1 |
| Jones | 1 | 1 | 1 | 1 | 1 | 1 |
| Kelly | 1 | 1 | 1 | 1 | 1 | 1 |
| Leach | 1 | 1 | 1 | 1 | 1 | 1 |
| McGowan | 1 | 1 | 1 | 1 | 1 | 1 |
| Miller | 1 | 1 | 1 | 1 | 1 | 1 |
| Moore | 1 | 1 | 1 | 1 | 1 | 1 |
| Nelson | 1 | 1 | 1 | 1 | 1 | 1 |
| Oliver | 1 | 1 | 1 | 1 | 1 | 1 |
| Parsons | 1 | 1 | 1 | 1 | 1 | 1 |
| Reynolds | 1 | 1 | 1 | 1 | 1 | 1 |
| Shaw | 1 | 1 | 1 | 1 | 1 | 1 |
| Steele | 1 | 1 | 1 | 1 | 1 | 1 |
| Tamm | 1 | 1 | 1 | 1 | 1 | 1 |
| Thompson | 1 | 1 | 1 | 1 | 1 | 1 |
| Wade | 1 | 1 | 1 | 1 | 1 | 1 |
| Webb | 1 | 1 | 1 | 1 | 1 | 1 |
| White | 1 | 1 | 1 | 1 | 1 | 1 |
| Wilson | 1 | 1 | 1 | 1 | 1 | 1 |
| Wood | 1 | 1 | 1 | 1 | 1 | 1 |
| Yates | 1 | 1 | 1 | 1 | 1 | 1 |
| Zimmerman | 1 | 1 | 1 | 1 | 1 | 1 |

The Richmond Bluebirds played a great game at West-End Park yesterday afternoon. As a result the Portsmouth team were ignominiously defeated, and though nine full innings were played they failed to send a man over the rubber, and only succeeded in getting two as far as third base.

Tannehill was in the box for Richmond, and pitched a strong game. He was hit rather liberally, but kept them well scattered, and none of them amounted to anything. The Portsmouth team were represented in the box by Leach, who was pounded for twelve good safe hits. Lefty Marr's boys tried hard to score, but were vanquished at every turn.

The Bluebirds played a snappy game, and their every movement showed that they were out to win. In the opening of the first inning Leach presented Kain with his base, and Groves followed with a hit, which Hadman very cleverly stopped. Kain got to second on this, and attempted to steal third, but was caught by Hadman, who threw to Bourke with great rapidity. Groves stole second, and went to third on Pender's sacrifice. Wells was given his base, and stole second, and Wilson drove the ball into center-field for a home run, sending both Groves and Wells over the fence. Zimmerman was thrown out at first on a clever stop by Hadman, and retired the side.

KEPT INCREASING HER LEAD.
Portsmouth failed to do anything in their half of the inning, and neither side scored in the second, but in the third Richmond increased her score by a pair. Wells ended the inning with a pair, but was ended by Bourke, and was scored by Wells, who lined out a two-base hit into center-field. Wilson then made a safe hit, and put Jake on third, himself stealing second, immediately subsequent thereto. Wells scored on a wild throw over second base of Rollins, and Wilson reached third on the same play. Zimmerman got his base on balls, and stole second, and was caught at the plate and retired. Wood ended the inning with an easy one to Hadman, on which he was thrown out at first.

Neither side scored in the fourth, but in the fifth Wells, who had gotten his base on balls and stolen second, was pointed out by Zimmerman, who made a safe hit into right field. Jake collided with Rollins at the plate, and struck him on the head with his knee. Pat went to sleep for awhile, but a little while brought him awake, and he continued his ninth.

In the sixth neither side scored, though Portsmouth sent two men to bases. In the seventh, however, Richmond's run column was increased by one more. Pender was given his first and second on a wild pitch by Leach, and went home on a wild pitch by Leach.

WON THE LAST ONE.
In the eighth inning Zimmerman increased Richmond's lead, and he reached first on a safe hit into left field, and was sacrificed to second by Wood. He went to third on a wild pitch, and scored on a left-field hit, made by Bertie. This ended the run-getting, as neither Richmond nor Portsmouth scored in the ninth.

What else there was in the game can be found in the score, which is here appended:

| RICHMOND. | | | | | | |
|-----------------|----|----|----|----|----|-------|
| | A. | B. | R. | H. | O. | A. E. |
| Kain, 1 f. | 4 | 0 | 1 | 2 | 0 | 0 |
| Groves, 1 f. | 5 | 2 | 2 | 2 | 0 | 0 |
| Pender, 2 b. | 4 | 1 | 2 | 3 | 0 | 0 |
| Wells, 1 b. | 3 | 3 | 2 | 0 | 0 | 0 |
| Wilson, 6 c. | 5 | 0 | 3 | 0 | 0 | 0 |
| Zimmerman, 2 b. | 4 | 1 | 2 | 0 | 1 | 0 |
| McGowan, 2 b. | 4 | 0 | 0 | 3 | 0 | 0 |
| Bourke, 1 b. | 4 | 0 | 2 | 3 | 0 | 0 |
| Tannehill, p. | 4 | 0 | 0 | 0 | 0 | 0 |
| Totals. | 36 | 7 | 12 | 27 | 13 | 1 |

| PORTSMOUTH. | | | | | | |
|-----------------|-------|----|----|----|----|----|
| | A. B. | R. | H. | O. | A. | E. |
| Marr, 1 f. | 5 | 0 | 3 | 1 | 0 | 0 |
| McGee, 1 b. | 4 | 0 | 0 | 1 | 0 | 0 |
| Reiman, 2b. | 4 | 0 | 2 | 8 | 3 | 0 |
| Rollins, c. | 4 | 0 | 2 | 5 | 1 | 1 |
| Boyle, 3b. | 4 | 0 | 2 | 1 | 4 | 1 |
| Shaffer, 1 f. | 3 | 0 | 0 | 0 | 1 | 1 |
| Hargrave, c. f. | 4 | 0 | 1 | 3 | 0 | 0 |
| Helfman, 1 b. | 4 | 0 | 0 | 0 | 6 | 2 |
| Leach, p. | 3 | 0 | 0 | 0 | 4 | 9 |
| Totals | 35 | 0 | 10 | 27 | 20 | 4 |

| SCORE BY INNINGS. | |
|--|---------------------|
| | 1 2 3 4 5 6 7 8 9 |
| Richmond | 2 0 1 0 1 1 0 - 7 |
| Portsmouth | 0 0 0 0 0 0 0 0 - 0 |
| Summary: Three-base hit—Berte, Two-base hits—Wells (2), Marr, Reiman. First base on errors—Richmond, 3. Bases on balls—Off Leach, 4. Left on bases—Richmond, 3; Portsmouth, 10. Struck out—By Tanshill, 4; by Leach, 4. Double | |

4-4-Reiman (unassisted), Bourke to Reiman to McGee. Stolen bases—Groves, Wells (2), Wilson, Zimmerman (3). Wild pitches—Leach, 2. Passed balls—Wilson, 1. Time of game—1 hour and 36 minutes. Umpire—Mr. Cline.

DUST FROM THE DIAMOND.

Zimmerman was on third base for Richmond, and did good work. He had but few fielding chances, but he played with soap and vim that was refreshing, and attracted very well, indeed.

groves has got back to using the stick, and he lined out two good hits.

Wells did the star hitting for the team. Although, as he lined out two two-baggers, Wilson did good work with the ash, too, and Berte showed up well. Let us hope the boys will all keep this pace up.

Tannehill outpitched Leach in every particular. He didn't give away any runs, and he permitted fewer hits off

SCORE BY INNINGS.
123456789
Richmond 00000000-7
Portsmouth 00000000-0
Summary: Three-base hit—Bertie. Two-base hits—Wells (2), Marr, Leach. First base on error—Bertie. Left on bases—Richmond 4; Portsmouth 10. Struck out by Tannehill, 4; by Leach, 4. Double by McGee. Stolen bases—Groves, Wells (2), Wilson, Zimmerman (2). Wild pitches—Leach, 2. Passed balls—Wilson, 1. Time of game—1 hour and 56 minutes. Umpire—Mr. Cline.

DUST FROM THE DIAMOND.
Zimmerman was on third base for Richmond, and did good work. He had but few sliding chances, but he played with a snap and vim that was refreshing, and batted very well indeed.

Groves has got back to using the stick, and he lined out two good hits. Wells did the star hitting for the team, though, as he lined out two two-baggers. Wilson did good work with the ash, too, and Bertie showed up well. Let us hope the boys will all keep this pace up.

Tannehill outpitched Leach in every particular. He didn't give away any bases, and he permitted fewer hits off him. Leach, however, made two wild pitches, while Tannehill made two wild pitches, while Tannehill made two wild pitches, while Tannehill made two wild pitches.

ROANOKE AND PETERSBURG.

The Mountaineers Get the Better of the Slugging Match.

ROANOKE, VA., May 9.—(Special.)—The Mountaineers had slightly the better of today's slugging match, and they put up a superior game in the field. While Wells was hit freely, he was more effective than his opponent at critical points. Groves, Williams, Wrigley, Cockman, and "Pop" Tate were all decidedly in the game, and did the star work of the team. Sholta's pop plate at second cost the visitors the game.

Roanoke went first to bat, and Cockman cracked out a triple, scoring as Whitehill reached first on Keefe's error. Groves got his base on balls. "Pop" Tate lined out a double, scoring Whitehill and Groves, and crossed the rubber on an error by Sholta, and a hit by Wrigley. Williams was hit by a pitched ball, and he bunted a fly, which Breen could not reach, and was clearly safe at first, but Umpire Connor called it a muffed fly, and Tate was out. This is the only play that decision Connor has made in six games.

Gochman got his base on balls, and Wrigley scored on Williams's fly to center. Cockman was up again, and made his second hit for the inning, but Kelley felled the runner across, and threw Williams out at the plate. After that the locals could not bunt their hits into the seventh.

SCORE TIED.
In the third Wells was touched for three singles, a sacrifice, and a double, which netted three earned runs, and tied the score. In the first visitors scored twice, on a base on balls and three singles. In the third a triple and two singles gave them a lead of one, and in the seventh three singles and a clean base-running increased this lead to two more runs. Two singles, a double, a wild pitch, and an error by Sholta netted three runs for the home team, and tied the score.

In the eighth the Mountaineers made the situation rather bitter, when a base on balls, a double, a single by Stanhope, and triple by Keefe had three runners across, and Sholta, but Wells settled the business by striking out Armstrong, who batted for Miller. Score:

| | | | | | | |
|-----------------|----|----|----|----|----|---|
| Stanhope, c. | 5 | 1 | 3 | 5 | 1 | 0 |
| Brodie, r. f. | 5 | 1 | 4 | 1 | 0 | 0 |
| Keefe, 1 b. | 5 | 0 | 1 | 10 | 0 | 0 |
| Miller, c. | 4 | 0 | 0 | 1 | 0 | 0 |
| Armstrong, 1 b. | 4 | 0 | 0 | 0 | 0 | 0 |
| Kane, p. | 4 | 0 | 0 | 0 | 0 | 0 |
| Totals | 44 | 11 | 17 | 27 | 15 | 6 |

ROANOKE.

| | | | | | | |
|-----------------|-------|-------|----|-------|---|---|
| | A. B. | R. H. | O. | A. E. | | |
| Cockman, 3 b. | 6 | 2 | 4 | 0 | 3 | 0 |
| Whitall, r. f. | 6 | 2 | 4 | 0 | 0 | 0 |
| Grove, 1 b. | 6 | 3 | 3 | 1 | 0 | 0 |
| E. Tate, 1 b. | 6 | 2 | 4 | 13 | 0 | 0 |
| Wrigley, s. s. | 5 | 3 | 1 | 3 | 3 | 2 |
| Williams, c. | 5 | 1 | 4 | 4 | 0 | 0 |
| H. Tate, c. | 5 | 0 | 0 | 0 | 3 | 0 |
| Sechnaurn, 2 b. | 5 | 0 | 0 | 4 | 0 | 0 |
| Willis, p. | 5 | 1 | 1 | 0 | 0 | 0 |

| | | | | | |
|--------------------------------------|----|----|----|----|----|
| Totals | 49 | 14 | 18 | 25 | 17 |
| *Kane out; hit by batted ball. | | | | | |
| SCORE BY INNINGS. | | | | | |
| | 1 | 2 | 3 | 4 | 5 |
| Petersburg .. | 2 | 0 | 2 | 0 | 2 |
| Roanoke | 5 | 0 | 0 | 0 | 3 |
| Summary: Earned runs—Petersburg, 8 | | | | | |
| Two-base hits—Williams (3), E. Tate, | | | | | |
| Brodie, and Sholta. Three-base hits— | | | | | |

*Kane out; hit by batted ball.
SCORE BY INNINGS.
123456789
Petersburg 00000000-0
Roanoke 00000000-0
Summary: Earned runs—Petersburg 3; Roanoke 11. Two-base hits—Williams (2), Tate, Brodie, and Sholta. Three-base hits—Breen and Stanhope. Williams, Wrigley, Double play—Gochman to Tate. Bases on balls—Off Wells, 2; off Kane, 2. Hit by pitched ball—Williams. Struck out by Wells, 4; by Kane, 2. Wild pitches—Leach, 2. Passed balls—None. Time of game—2 hours. Umpire—Mr. Connor.

NORFOLK WINS AGAIN.
Two Games Out of Three from Lynchburg.

NORFOLK, VA., May 9.—Norfolk won the second game out of three from Lynchburg to-day by superior batting. Boylan, who heretofore has been considered invincible by the Hill Climbers, was touched up for eighteen hits, including two home-runs, a triple, and five two-baggers. Groves, too, was hit freely, and he continued his ninth.

In the sixth neither side scored, though Portsmouth sent two men to bases. In the seventh, however, Richmond's run column was increased by one more. Pender was given his first and second on a wild pitch by Leach, and went home on a wild pitch by Leach.

Neither side scored in the fourth, but in the fifth Wells, who had gotten his base on balls and stolen second, was pointed out by Zimmerman, who made a safe hit into right field. Jake collided with Rollins at the plate, and struck him on the head with his knee. Pat went to sleep for awhile, but a little while brought him awake, and he continued his ninth.

In the sixth neither side scored, though Portsmouth sent two men to bases. In the seventh, however, Richmond's run column was increased by one more. Pender was given his first and second on a wild pitch by Leach, and went home on a wild pitch by Leach.

Neither side scored in the fourth, but in the fifth Wells, who had gotten his base on balls and stolen second, was pointed out by Zimmerman, who made a safe hit into right field. Jake collided with Rollins at the plate, and struck him on the head with his knee. Pat went to sleep for awhile, but a little while brought him awake, and he continued his ninth.

In the sixth neither side scored, though Portsmouth sent two men to bases. In the seventh, however, Richmond's run column was increased by one more. Pender was given his first and second on a wild pitch by Leach, and went home on a wild pitch by Leach.

Neither side scored in the fourth, but in the fifth Wells, who had gotten his base on balls and stolen second, was pointed out by Zimmerman, who made a safe hit into right field. Jake collided with Rollins at the plate, and struck him on the head with his knee. Pat went to sleep for awhile, but a little while brought him awake, and he continued his ninth.

In the sixth neither side scored, though Portsmouth sent two men to bases. In the seventh, however, Richmond's run column was increased by one more. Pender was given his first and second on a wild pitch by Leach, and went home on a wild pitch by Leach.

game in every respect. So when the game was called 700 people had passed within the gate, but it was a woefully disappointed crowd. The playing on the part of the Washington and Lee team, with one or two exceptions, was more like that of schoolboys than that of a team with a good record. For six innings, Pratt, of the Washington and Lees, held the North Carolina sluggers well in hand, though he had miserable support. The fielders could not hold a ball. They muffed and suffered good balls to pass through their hands as though they were pieces of hot iron. In the seventh and eighth innings Pratt was batted at will by the Tar-Heels.

The only redeeming feature for Washington and Lee was a triple play in the fifth inning. The fielding of the Tar-Heels was not as accurate as in their last game here. Hanley made two errors, and the misplays were made by others of the team. Gregory played well-in fact, brilliantly—taking everything that came his way. Stephens carried off the honors for batting, scoring three doubles and a triple, and right-field fence. Pearson pitched a steady game for his team.

North Carolina had seventeen hits; Washington and Lee four. Nothing greater than a double was batted. It was expected that a Carolina wild win, but none anticipated the walkover. The score was:

| | Washington and Lee | A. B. R. H. O. A. E. |
|---------------------|--|----------------------|
| University of N. C. | 123456789 | 00000000-0 |
| Batteries: | Pearson, Stephens, and Bailey; Pratt and Lunsford. Umpire, Russell Acree. Time of game, 2 hours and 5 minutes. | |

NATIONAL LEAGUE GAMES.
A Riot Narrowly Averted at Cincinnati-Ten Innings.

CINCINNATI, O., May 9.—A riot was narrowly averted in the tenth inning of to-day's game. With the score a tie and two men out, Brodie on first and Jennings on third, the former started for second, Foreman then to McGee, who threw to third to catch Jennings. Just before the ball reached Irwin's hands, Jennings knocked him down, and then started running. The umpire allowed the run to count. The crowd surrounded Emile after the game, and but for police interference he would have been roughly handled. Attendance, 6,000. Score:

lowed the run to count. The crowd sur-
 rounded Emille after the game, and he
 for police interference he would have
 roughly handled. Attendance, 6,699. Score
 R. H. O. A. E.
 Cincinnati 2 0 0 0 0 1 0 1 1 0-5 7 8
 Baltimore..... 0 0 0 0 1 1 3 0 0 1-6 8
 Batteries: Rhines, Fisher, and Foreman;
 pitchers, and Vaughn and Peltz, catch-
 for Cincinnati; Hoffer and Robinson.

PHILADELPHIA 12; CHICAGO 10

PHILADELPHIA, 11; CHICAGO, 10.
CHICAGO, May 9.—The home team lost a close but loosely-played game to-day. The Chicagoans started the game with Terry in the box, but he gave way to Briggs. Young failed to stop the hitting, as so wild that Parker was called. In the second Chicago lost the game. The crowd was large enough to hamper the fielders. Attendance, 5,000. Score:

| | | | | | | |
|---|------------------------|----|----|----|----|----|
| Chicago | 10 | 10 | 10 | 10 | 10 | 10 |
| Philadelphia | 11 | 10 | 11 | 11 | 11 | 11 |
| Batteries: | Terry, Briggs, Parker, | | | | | |
| Kittredge; | Taylor and Clements. | | | | | |
| BOSTON, 17; LOUISVILLE, 5. | | | | | | |
| LOUISVILLE, KY., May 9.—To-day | | | | | | |
| game was one-sided and uninteresting. | | | | | | |
| Boston batted Weyhing at will. William | | | | | | |
| McGunnigle assumed charge as manager | | | | | | |
| of the Louisville club at the conclusion | | | | | | |
| of to-day's game. Attendance, 500. Score, | | | | | | |

LOUISVILLE, KY., May 9.—To-day's game was one-sided and uninteresting. Boston batted Weyhing at will. William McGinnis assumed charge as manager of the Louisville club at the conclusion of to-day's game. Attendance, 500. Score:

third. Cy. Young was substituted, Wallace going into right field in place of Shearon. Young failed to stop the hit while the Cleveland players fielded wretchedly. This was the first day of the new Saturday half-holiday law was in effect, and the attendance was large increased in consequence. Four thousand five hundred people saw the game. Score:

R. H. O.

| | | | | | | | | | |
|-----------------|----|---|---|---|---|---|---|---|----|
| Cleveland | 11 | 2 | 0 | 1 | 2 | 0 | 0 | 8 | 15 |
|-----------------|----|---|---|---|---|---|---|---|----|

BROOKLYN, 19; CLEVELAND, 8.
CLEVELAND, O., May 9.—After two victories over Cleveland, the Yankees' Waterloo to-day. The eastern team batted Wallace out of the box in the third. Cy Young was substituted, Wallace going into right field in place of McGinnis. Young failed to stop the hitting, while the Cleveland players fielded wretchedly. This was the first day that the new Saturday half-holiday law was in effect, and the attendance was largely increased in consequence. Four thousand five hundred people saw the game. Score:

was a miserable exhibition of ball-play on both sides. Mercer was fined \$10 for disputing Lynch's judgment on balls strikes. Attendance, 4,500. Score:

R. H.
Pittsburg0 1 0 1 0 5 0 1—9 11
Washington0 1 0 1 0 1 1 30—34 14

Batteries: Hawley, Killen, and Hastings, Sugden and Merritt, for Pittsburg Mercer and McGuire, for Washington.

NEW YORK, 15; ST. LOUIS, 2

WASHINGTON, 14; PITTSBURG, 9.
PITTSBURG, May 9.—Hawley could not get them anywhere near the plate in the seventh inning of to-day's game, and Killeen was substituted. Hawley did not want to quit, and had to virtually be taken from the box by Mack. The game was a miserable exhibition of ball-playing on both sides. Mercer was fined \$10 for disputing Lynch's judgment on balls and strikes. Attendance, 4,500. Score:

| | |
|---------------------------------------|------------------------|
| St. Louis |0000003000-3 8 |
| New York |314202012-15 16 |
| Batteries: | Breitenstein, Klissing |
| Wood, and McDougall, and Murphy for | |
| St. Louis; Doheny and Farrell for New | |
| York. | |
| THE RECORD. | |
| Clubs. | W. L. Pr C. |
| Philadelphia..... | 13 5 .722 |
| Boston..... | 12 6 .667 |

NEW YORK, 15; ST. LOUIS, 3.
ST. LOUIS, May 9.—New York won easily to-day. Breitenstein retired in the third inning. Kissinger lasted till the eighth, but was out of the game. Kissinger lasted about ten minutes. With two runs in, and the bases full, McDougall finished the game in good style. Doherty pitched well, and his support was good. There are rumors about to-night of a general shaking-up among the Browns. Attendance, 1,000. Score:

SCHEDULE FOR TO-DAY.
 Brooklyn in Louisville.
 Baltimore in St. Louis.
 Washington in Cincinnati.
 SOUTHERN LEAGUE.

| | |
|-------------------|-----------------------------|
| At Birmingham: | R. H. I. |
| Birmingham .. | .30 0 2 1 0 0 2 0 0 - 15 13 |
| Atlanta | .0 1 0 0 0 1 0 0 1 - 3 8 |
| Batteries: | McDonald and Rappold; Ca- |
| lahan and Fields. | R. H. I. |

THE RECORD.
Clubs. W. L. Pr Ct.
Philadelphia 13 5 722
Boston 12 6 567
Pittsburg 11 6 567
Chicago 11 8 559
Cleveland 7 23 363
Baltimore 10 8 525
Cincinnati 10 9 556
Washington 9 9 599
Brooklyn 8 10 444
St. Louis 7 12 388
New York 6 12 333
Louisville 2 17 103

SCHEDULE FOR TO-DAY.
Brooklyn in Louisville.
Baltimore in St. Louis.
Washington in Cincinnati.
SOUTHERN LEAGUE.
At Birmingham: R. H. E.
Birmingham 10 10 100 0-15 13 1
Atlanta 10 10 100 1-3 8 5
Batteries: McDonald and Rappold; Callahan and Fields.
At New Orleans: R. H. E.
New Orleans 10 10 100 0-6 3 2
Montgomery 0 0 0 10 0 0-0 1 6
Batteries: McGinnis and Gauding; Sheehan and Roe.
At Mobile: R. H. E.
Mobile 4 10 100 0-10-20 30 5
Columbus 10 10 100 0-4 7 12 7
Batteries: Lindemann, Witrock, and Fisher; Daniels, Hughes, and Wright.